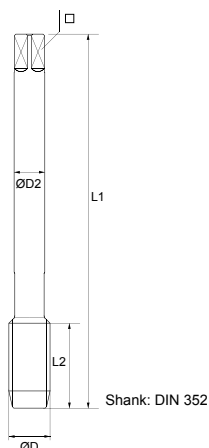


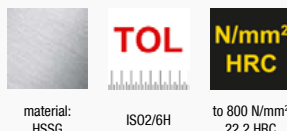
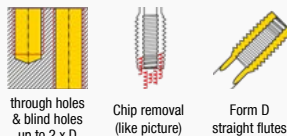
- ✓ Efficient internal thread cutting.
- ✓ The short structural type makes that tap usable by machine and hand.

Application:

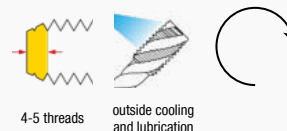
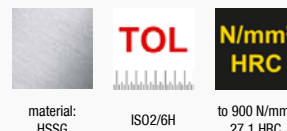
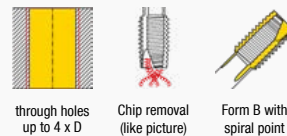
- ⚙ non abrasive material up to 900 N/mm²
- ⚙ unalloyed and low alloyed steel



Short Machine Taps Form D for through holes and blind holes



Short Machine Taps Form B for through holes



M	D1	D2	L1	L2	□		No.	€	No.	€
M 2 x 0,4	2,0	2,8	36	8	2,1	1,60	110101001	7,50	110201001	7,33
M 2,5 x 0,45	2,5	2,8	40	9	2,1	2,05	110101002	7,50	110201002	7,33
M 3 x 0,5	3,0	3,5	40	11	2,7	2,50	110101003	4,04	110201003	4,29
M 3,5 x 0,6	3,5	4,0	45	13	3,0	2,90	110101004	4,45	110201004	4,50
M 4 x 0,7	4,0	4,5	45	13	3,4	3,30	110101005	4,04	110201005	4,29
M 5 x 0,8	5,0	6,0	50	16	4,9	4,20	110101006	4,16	110201006	4,61
M 6 x 1,0	6,0	6,0	50	19	4,9	5,00	110101007	4,50	110201007	4,71
M 8 x 1,25	8,0	6,0	56	22	4,9	6,80	110101008	5,76	110201008	6,18
M 10 x 1,5	10,0	7,0	70	24	5,5	8,50	110101009	6,74	110201009	7,54
M 12 x 1,75	12,0	9,0	75	29	7,0	10,20	110101010	9,52	110201010	10,58
M 14 x 2,0	14,0	11,0	80	30	9,0	12,00	110101011	11,71	110201011	13,83
M 16 x 2,0	16,0	12,0	80	32	9,0	14,00	110101012	16,01	110201012	16,76
M 18 x 2,5	18,0	14,0	95	40	11,0	15,50	110101013	20,21	110201013	23,98
M 20 x 2,5	20,0	16,0	95	40	12,0	17,50	110101014	22,18	110201014	27,02
M 22 x 2,5	22,0	18,0	100	40	14,5	19,50	110101015	30,93	110201015	31,94
M 24 x 3,0	24,0	18,0	110	50	14,5	21,00	110101016	36,38	110201016	36,45
M 27 x 3,0	27,0	20,0	110	50	16,0	24,00	110101017	46,99	110201017	50,90
M 30 x 3,5	30,0	22,0	125	56	18,0	26,50	110101018	65,84	110201018	67,87

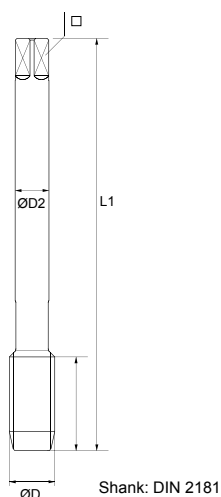
MF Metric fine thread / ISO DIN 13

Efficient internal thread cutting.

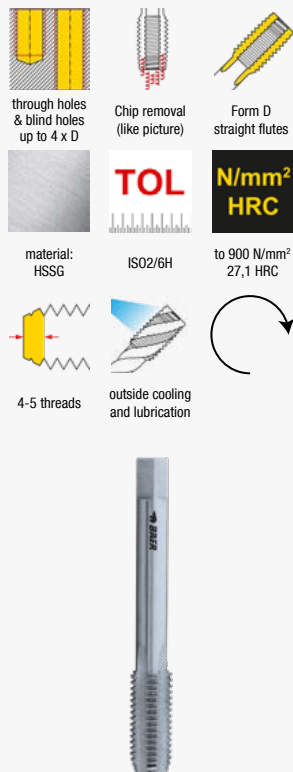
The short structural type makes that tap usable by machine and hand.

Application:

- ⚙ non abrasive material
up to 900 N/mm²
- ⚙ unalloyed and low
alloyed steel



Short Machine Taps Form D for through holes and blind holes



MF

	D1	D2	L1	L2	□	⚙	No.	€
MF 6 x 0,75	6,0	6,0	50	14	4,9	5,20	120101001	6,97
MF 8 x 0,75	8,0	6,0	50	19	4,9	6,20	120101002	6,97
MF 8 x 1,0	8,0	6,0	56	22	4,9	7,00	120101003	6,97
MF 9 x 0,75	9,0	7,0	56	19	5,5	8,20	120101004	7,80
MF 9 x 1,0	9,0	7,0	63	20	5,5	8,00	120101005	7,80
MF 10 x 0,75	10,0	7,0	63	20	5,5	9,20	120101006	7,80
MF 10 x 1,0	10,0	7,0	63	20	5,5	9,00	120101007	6,97
MF 10 x 1,25	10,0	7,0	70	24	5,5	8,80	120101008	7,80
MF 12 x 1,0	12,0	9,0	70	22	7,0	11,00	120101009	10,12
MF 12 x 1,25	12,0	9,0	70	22	7,0	10,80	120101010	10,12
MF 12 x 1,5	12,0	9,0	70	22	7,0	10,50	120101011	9,19
MF 13 x 1,0	13,0	11,0	70	22	9,0	12,00	120101012	15,48
MF 13 x 1,5	13,0	11,0	70	22	9,0	11,50	120101013	15,48
MF 14 x 1,0	14,0	11,0	70	22	9,0	13,00	120101014	15,48
MF 14 x 1,25	14,0	11,0	70	22	9,0	12,80	120101015	11,63
MF 14 x 1,5	14,0	11,0	70	22	9,0	12,50	120101016	10,01
MF 15 x 1,5	15,0	12,0	70	22	9,0	13,50	120101017	17,10
MF 16 x 1,5	16,0	12,0	70	22	9,0	14,50	120101018	12,22
MF 18 x 1,0	18,0	14,0	80	22	11,0	17,00	120101019	18,73
MF 18 x 1,5	18,0	14,0	80	22	11,0	16,50	120101020	14,08
MF 20 x 1,5	20,0	16,0	80	22	12,0	18,50	120101021	17,10
MF 20 x 2,0	20,0	16,0	80	22	12,0	18,00	120101022	23,51
MF 22 x 1,5	22,0	18,0	80	22	14,5	20,50	120101023	24,32
MF 22 x 2,0	22,0	18,0	80	22	14,5	20,00	120101024	24,32
MF 24 x 1,5	24,0	18,0	90	22	14,5	22,50	120101025	25,60
MF 24 x 2,0	24,0	18,0	90	22	14,5	22,00	120101026	32,58
MF 25 x 1,5	25,0	18,0	90	22	14,5	23,50	120101027	47,70
MF 26 x 1,5	26,0	18,0	90	22	14,5	24,50	120101028	47,70
MF 27 x 1,5	27,0	20,0	90	22	16,0	25,50	120101029	47,70
MF 28 x 1,5	28,0	20,0	90	22	16,0	26,50	120101030	56,43
MF 30 x 1,5	30,0	22,0	90	22	18,0	28,50	120101031	66,32
MF 30 x 2,0	30,0	22,0	90	22	18,0	28,00	120101032	66,32
MF 32 x 1,5	32,0	22,0	90	22	18,0	30,50	120101033	66,32

G-Rohr (BSP)

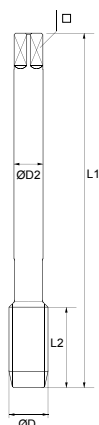
British standard whitworth pipe thread / DIN ISO 228

Efficient internal thread cutting.

The short structural type makes that tap usable by machine and hand.

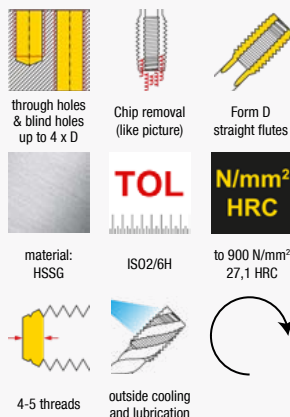
Application:

- ⚙ non abrasive material up to 900 N/mm²
- ⚙ unalloyed and low alloyed steel



Short Machine Taps

Form D for through holes and blind holes



G(BSP)

	D1	D2	L1	L2	□		No.	€
BSP 1/8 x 28	9,73	7,0	63	20	5,5	8,80	130101001	6,39
BSP 1/4 x 19	13,16	11,0	70	22	9,0	11,80	130101002	7,20
BSP 3/8 x 19	16,66	12,0	70	22	9,0	15,25	130101003	10,48
BSP 1/2 x 14	20,95	16,0	80	22	12,0	19,00	130101004	14,89
BSP 3/4 x 14	26,44	20,0	90	22	16,0	24,50	130101005	21,05
BSP 1" x 11	33,25	25,0	100	25	20,0	30,75	130101006	35,49
BSP 1.1/4 x 11	41,91	32,0	125	40	24,0	39,50	130101007	61,67
BSP 1.1/2 x 11	47,80	36,0	140	40	29,0	45,25	130101008	84,36
BSP 1.3/4 x 11	53,74	40,0	140	40	32,0	51,20	130101009	168,70
BSP 2" x 11	59,61	45,0	160	40	35,0	57,00	130101010	174,53
BSP 2.1/4 x 11	65,71	50,0	160	40	39,0	63,10	130101011	381,64
BSP 2.1/2 x 11	75,18	50,0	160	40	39,0	72,60	130101012	579,31
BSP 2.3/4 x 11	81,53	50,0	160	40	39,0	79,00	130101013	967,19
BSP 3" x 11	87,88	50,0	160	40	39,0	85,50	130101014	1.127,13
BSP 3.1/2 x 11	100,3	56,0	180	45	44,0	98,00	130101015	1.775,71
BSP 4" x 11	113,0	56,0	180	45	44,0	110,50	130101016	2.216,49

UNC

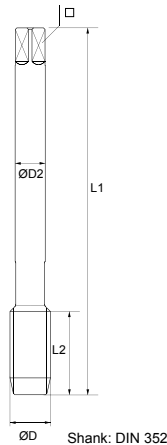
Unified coarse thread / ANSI B1.1

Efficient internal thread cutting.

The short structural type makes that tap usable by hand. The Short-Machine-Tap is also usable by machine.

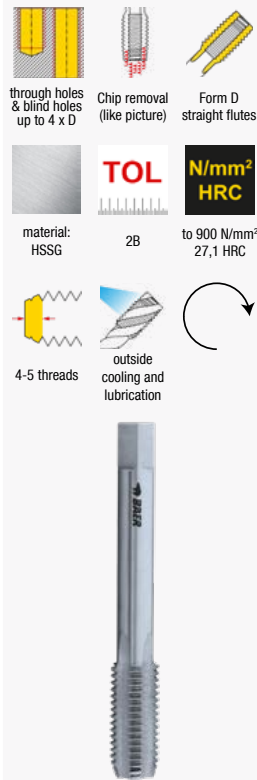
A Hand-Tap-Set includes 3 taps:

- Taper Tap
- Intermediate Tap
- Finish Tap

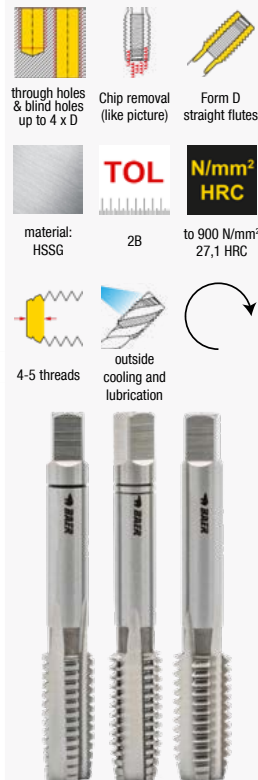


Short Machine Taps

Form D for through holes and blind holes

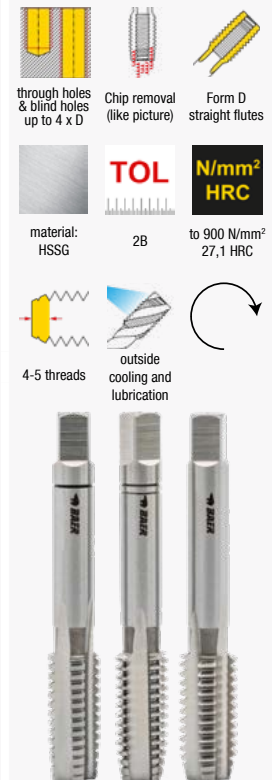


Hand Tap Sets for general use



Hand Tap Sets for general use

Left Hand



UNC

UNC	D1	D2	L1	L2			No.	€	No.	€	No.	€
UNC No 1 x 64	1,85	2,5	32	10	2,1	1,50			140301001	20,95		
UNC No 2 x 56	2,18	2,8	36	11	2,1	1,80			140301002	20,95		
UNC No 3 x 48	2,52	2,8	36	11	2,1	2,10			140301003	20,95		
UNC No 4 x 40	2,85	3,5	40	12	2,7	2,30			140301004	17,48		
UNC No 5 x 40	3,18	3,5	40	12	2,7	2,60			140301005	14,70		
UNC No 6 x 32	3,51	4,0	45	14	3,0	2,85			140301006	14,70	140302001	38,24
UNC No 8 x 32	4,17	4,5	45	14	3,4	3,50			140301007	14,70	140302002	38,24
UNC No 10 x 24	4,83	6,0	50	16	4,9	3,90			140301008	14,70	140302003	38,24
UNC No 12 x 24	5,49	6,0	50	18	4,9	4,50			140301009	14,70	140302004	38,24
UNC 1/4 x 20	6,35	6,0	50	19	4,9	5,20	140101001	4,90	140301010	14,70	140302005	24,21
UNC 5/16 x 18	7,94	6,0	56	22	4,9	6,60	140101002	5,50	140301011	16,38	140302006	25,26
UNC 3/8 x 16	9,53	7,0	70	24	5,5	8,00	140101003	6,08	140301012	18,17	140302007	29,47
UNC 7/16 x 14	11,11	8,0	70	24	6,2	9,40	140101004	7,72	140301013	23,05	140302008	36,14
UNC 1/2 x 13	12,70	9,0	75	29	7,0	10,80	140101005	9,36	140301014	27,93	140302009	43,16
UNC 9/16 x 12	14,29	11,0	80	30	9,0	12,20	140101006	12,27	140301015	36,65	140302010	56,13
UNC 5/8 x 11	15,88	12,0	80	32	9,0	13,50	140101007	13,80	140301016	41,19	140302011	63,85
UNC 3/4 x 10	19,05	14,0	95	40	11,0	16,50	140101008	18,48	140301017	55,16	140302012	85,25
UNC 7/8 x 9	22,23	18,0	100	40	14,5	19,50	140101009	24,56	140301018	73,30	140302013	106,30
UNC 1" x 8	25,40	18,0	110	50	14,5	22,25	140101010	28,30	140301019	84,48	140302014	127,70
UNC 1.1/8 x 7	28,58	22,0	132	56	18,0	25,00			140301020	130,20		
UNC 1.1/4 x 7	31,75	22,0	132	56	18,0	28,25			140301021	146,61		
UNC 1.3/8 x 6	34,93	28,0	150	63	22,0	30,75			140301022	190,59		
UNC 1.1/2 x 6	38,10	32,0	150	63	24,0	34,00			140301023	219,90		
UNC 1.5/8 x 5	41,28	32,0	160	70	24,0	37,10			140301024	439,82		
UNC 1.3/4 x 5	44,45	36,0	160	70	29,0	39,50			140301025	439,82		
UNC 1.7/8 x 4,5	47,63	36,0	190	80	29,0	42,00			140301026	572,47		
UNC 2" x 4,5	50,80	40,0	190	80	32,0	45,00			140301027	572,47		
UNC 2.1/4 x 4,5	57,15	45,0	220	80	35,0	51,50			140301028	1.473,46		
UNC 2.1/2 x 4	63,50	50,0	220	80	39,0	57,25			140301029	1.964,61		
UNC 2.3/4 x 4	69,85	50,0	240	80	39,0	63,50			140301030	4.911,54		
UNC 3" x 4	73,20	50,0	260	80	39,0	70,00			140301031	6.044,97		

UNF

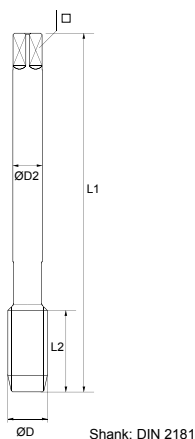
Unified fine thread / ANSI B1.1

Efficient internal thread cutting.

The short structural type makes that tap usable by hand. The Short-Machine-Tap is also usable by machine.

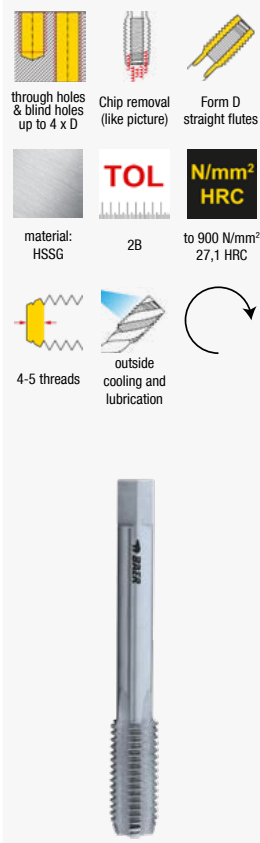
A Hand-Tap-Set includes 2 taps:

- Taper Tap
- Finish Tap

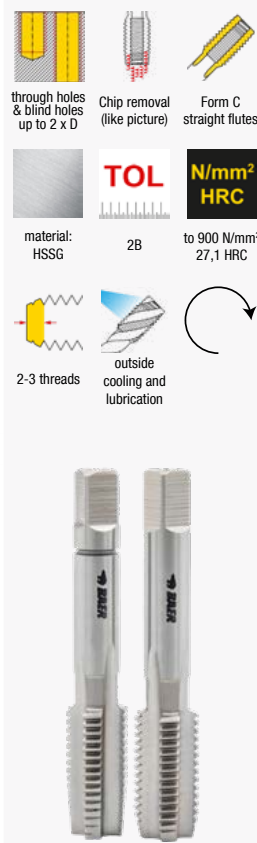


Short Machine Taps

Form D for through holes and blind holes

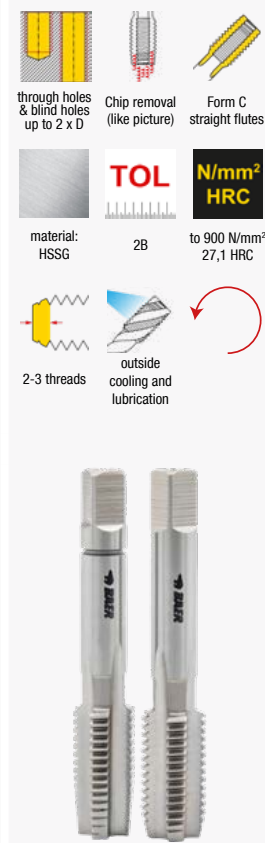


Hand Tap Sets for general use



Hand Tap Sets for general use

Left Hand



UNF

	D1	D2	L1	L2	□		No.	€	No.	€	No.	€
UNF No 0 x 80	1,52	2,5	28	8	2,1	1,30			150301001	14,03		
UNF No 1 x 72	1,85	2,8	32	9	2,1	1,60			150301002	14,03		
UNF No 2 x 64	2,18	2,8	32	10	2,1	1,90			150301003	14,03		
UNF No 3 x 56	2,52	2,8	32	10	2,1	2,10			150301004	14,03		
UNF No 4 x 48	2,85	3,5	36	11	2,7	2,40			150301005	11,70		
UNF No 5 x 44	3,18	3,5	36	11	2,7	2,70			150301006	9,82		
UNF No 6 x 40	3,51	4,5	40	12	3,4	3,00			150301007	9,82		
UNF No 8 x 36	4,17	4,5	40	12	3,4	3,50			150301008	9,82		
UNF No 10 x 32	4,83	6,0	45	14	4,9	4,10			150301009	9,82	150302001	25,49
UNF No 12 x 28	5,49	6,0	50	14	4,9	4,70			150301010	9,82		
UNF 1/4 x 28	6,35	6,0	50	18	4,9	5,50	150101001	4,90	150301011	9,83	150302002	16,14
UNF 5/16 x 24	7,94	6,0	56	22	4,9	6,90	150101002	5,50	150301012	10,99	150302003	16,84
UNF 3/8 x 24	9,53	7,0	63	22	5,5	8,50	150101003	6,08	150301013	12,16	150302004	19,65
UNF 7/16 x 20	11,11	8,0	63	22	6,2	9,90	150101004	7,72	150301014	15,44	150302005	24,09
UNF 1/2 x 20	12,70	9,0	75	24	7,0	11,50	150101005	9,36	150301015	18,71	150302006	28,77
UNF 9/16 x 18	14,29	11,0	80	28	9,0	12,90	150101006	12,27	150301016	24,56	150302007	37,42
UNF 5/8 x 18	15,88	12,0	80	28	9,0	14,50	150101007	13,80	150301017	27,60	150302008	42,57
UNF 3/4 x 16	19,05	14,0	95	32	11,0	17,50	150101008	18,48	150301018	36,95	150302009	56,84
UNF 7/8 x 14	22,23	18,0	100	36	14,5	20,25	150101009	24,56	150301019	49,12	150302010	70,88
UNF 1" x 12	25,40	18,0	110	40	14,5	23,25	150101010	28,30	150301020	56,61	150302011	85,13
UNF 1" x 14	25,40	18,0	110	40	14,5	23,30			150301021	61,29		
UNF 1.1/8 x 12	28,58	22,0	110	50	18,0	26,50			150301022	87,24		
UNF 1.1/4 x 12	31,75	22,0	132	56	18,0	29,50			150301023	98,24		
UNF 1.3/8 x 12	34,93	28,0	132	56	22,0	32,50			150301024	127,70		
UNF 1.1/2 x 12	38,10	32,0	150	63	24,0	36,00			150301025	147,35		